

Title (en)

Process and apparatus for water treatment with a granular bed for filtration or for filtration associated with a biological purification of water.

Title (de)

Verfahren und Vorrichtung zur Wasserreinigung unter Verwendung von einem körnigen Bett zur Filtration oder zur Filtration verbunden mit einer biologischen Reinigung von Abwasser.

Title (fr)

Procédé et réacteur de traitement d'eau utilisant un lit granulaire adapté pour assurer une filtration ou une filtration associée à une épuration biologique de l'eau.

Publication

**EP 0492690 B1 19951004 (FR)**

Application

**EP 91203201 A 19911209**

Priority

FR 9016588 A 19901221

Abstract (en)

[origin: EP0492690A1] Process for water treatment employing a granular bed (3) consisting of granular support materials of lower density than that of the water to be treated. According to this process each washing cycle consists in interrupting the draw-off of the treated water and stopping the feed of water to be treated so that the granular bed (3) floats in a given volume of water VL, in introducing washing air into the reactor with a view to ensuring stirring of the abovementioned floating bed, in interrupting the entry of air with a view to permitting a separation of the granular materials and of the sludge by density difference, with sedimentation of the said sludge and flotation of the said materials, and in removing the sludge at the base of the reactor and the water contained in it with a view to emptying the granular bed (3). <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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